

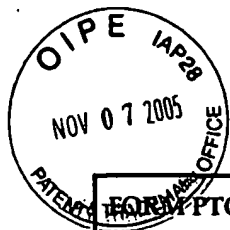
JC20 Rec'd PCT/PTO 29 APR 2005
SHEET 1 OF 1

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| FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT | | | | ATTORNEY DOCKET NO.: MIT-170 APPLICANT(S): Cherchi <i>et al.</i> SERIAL NO.: 10/533370 Not yet assigned FILING DATE: Herewith GROUP: Not yet assigned | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | |
| EXAM. INIT. | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE | | |
| TW | A1 | 4,998,793 | 03/12/1991 | Henry <i>et al.</i> | | | | | |
| TW | A2 | 5,225,797 | 07/06/1993 | Schary <i>et al.</i> | | | | | |
| TW | A3 | 5,418,867 | 05/23/1995 | Van Der Tol | | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | | |
| EXAM. INIT. | | DOCUMENT NUMBER | DATE | COUNTRY CODE | CLASS | SUB CLASS | FILING DATE | ABSTRACT ONLY | ENGLISH LANG (Y/N) |
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| OTHER ART, JOURNAL ARTICLES, ETC. | | | | | | | | | |
| EXAM. INIT. | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) | | | | | | | | |
| TW | C1 | Min-Cheol Oh, <i>et al.</i> "Simulation of Polarization Converter Formed by Poling Induced Polymer Waveguides," <u>Journal of Quantum Electronics</u> , Vo. 31, No. 9, September 1995, pp. 1698-1704 | | | | | | | |
| TW | C2 | Watts, <i>et al.</i> , "Polarization splitting and rotating through adiabatic transitions," <u>Proceedings of Integrated Photonics Reseach Conference 2003</u> , pp. 26-28, June 2003 | | | | | | | |
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| EXAMINER /Tina Wong/ | | | | | DATE CONSIDERED 09/01/2006 | | | | |



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| FORM PTO - 1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT | | | | ATTORNEY DOCKET NO.: MIT-170 APPLICANT(S): Watts, et al. SERIAL NO.: 10/533,370 FILING DATE: April 29, 2005 GROUP: Not yet assigned | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | |
| EXAM. INIT. | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | | |
| EXAM. INIT. | | DOCUMENT NUMBER | DATE | COUNTRY CODE | CLASS | SUB CLASS | FILING DATE | ABSTRACT ONLY | ENGLISH LANG (Y/N) |
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| OTHER ART, JOURNAL ARTICLES, ETC. | | | | | | | | | |
| EXAM. INIT. | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) | | | | | | | | |
| TW | C3 | Fimmwave by Photon Design., from website: http://www.photond.com/products/fimmwave/fimmwave1.htm , (September 8, 2005) | | | | | | | |
| | C4 | Huang, et al., "Realization of a Compact and Single-Mode Optical Passive Polarization Converter," <u>IEEE Phototonics Technology Letters</u> , Vol 12, No. 3, pp. 317-319. | | | | | | | |
| | C5 | Lui, et al., "Polarization Rotation in Semiconductor Bending Waveguides: a Coupled-Mode Theory Formulation," <u>Journal of Lightwave Technol.</u> , Vol 16, No. 5, pp 929-936, (May 1998) | | | | | | | |
| | C6 | Mertens, et al., "New Highly Efficient Polarization Converters Based on Hybrid Supermodes," <u>Journal of Lightwave Technology</u> , Vol. 13, No. 10, pp. 2087-2092, (October 1995) | | | | | | | |
| | C7 | Shani, et al., "Polarization rotation in asymmetric periodic loaded rib waveguides," <u>Appl. Phys. Lett.</u> , Vol. 59 (11), pp. 1278-1280 (September 1991). | | | | | | | |
| | C8 | Snyder, et al., <u>Optical Waveguide Theory</u> , Chapman and Hall Ltd., New York, NY, (1983). | | | | | | | |
| | C9 | Tzolov et al., "A Passive polarization converter free of longitudinally periodic structure," <u>Optics Communications</u> , Vol 127, pp 7-13 (June 1996). | | | | | | | |
| TW | C10 | Watts, "Wavelength switching and routing through evanescently induced absorption," Master's thesis, Massachusetts Institute of Technology, (June 2001). | | | | | | | |
| EXAMINER /Tina Wong/ | | | | | DATE CONSIDERED 09/01/2006 | | | | |



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| FORM PTO - 1449 | | | | ATTORNEY DOCKET NO.: MIT-170 | | | | | |
| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT | | | | APPLICANT(S): Watts, et al. | | | | | |
| | | | | SERIAL NO.: 10/533,370 | | | | | |
| | | | | FILING DATE: April 29, 2005 | | | | | |
| | | | | GROUP: Not yet assigned | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | |
| EXAM. INIT. | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | | |
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| OTHER ART, JOURNAL ARTICLES, ETC. | | | | | | | | | |
| EXAM. INIT. | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) | | | | | | | | |
| TW | C11 | Examination Report for European Patent Application 03776617.7, dated September 22, 2005, 5 pages. | | | | | | | |
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